Honors Geometry

CW#2: Points, Lines & Plane Geometry

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

*CLASS COPY – DO NOT WRITE ON THIS!*

Complete the following problems in your notebook. When directions say to “draw this figure”, make sure to accurately copy the figure into your notebook with appropriate notation.

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| Draw the following figures in your notebook.   1. Line 2. Point 3. Ray 4. Segment 5. Collinear points | Name the following figures, using correct notation.   1. Image result for geometric ray   Image result for segment EF   1. Image result for geometry line   Image result for angle |
| Summarize the main differences between a segment, a ray and a line. |

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| *Draw this figure & label the points:*   1. What is another name for ? 2. Name three points that are collinear. 3. Name a point that is not coplanar with points *A*, *B*, and *C.* 4. Name three rays with endpoint B. | |
| Which of the following points are non-collinear?  Description: http://image.tutorvista.com/Qimages/QD/39197.gif   1. M, C, E 2. L, R, N 3. R, C, T 4. L, C, S   Copy ALL that are NON-collinear. | Which of the following best describes the points P, Q, and R? Draw the line & write the true statement(s) in your notebook.  Description: http://image.tutorvista.com/Qimages/QD/50323.gif   1. The points P, Q, and R are collinear 2. The points P, Q, and R are non-collinear 3. The points P, Q, and R are on the plane R     Draw an example of a line where points A and B are collinear, but point C is not collinear to either point A or point B. |
| 5) Use the diagram below.    Name all the points on plane *P* \_\_\_\_  Name all the points on plane *R* \_\_\_\_  Name 3 collinear points \_\_\_\_\_\_\_\_\_  Name 3 non-collinear points \_\_\_\_\_\_ | 6) A line segment has endpoints labeled *J* and *K* and a collinear point *M*. Which of the following must be true?   1. M is in between J and K 2. M is on line segment JK 3. M is on line JK 4. All of the above. |